

D80

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/007,761

DATE: 12/17/2001

TIME: 10:17:03

Input Set : A:\58600-8208.US00-SEQLIST.txt

Output Set: N:\CRF3\12172001\J007761.raw

ENTERED

4 <110> APPLICANT: Mochly-Rosen, Daria  
6 <120> TITLE OF INVENTION: Peptides for Activation and Inhibition  
7 of delta-PKC  
9 <130> FILE REFERENCE: 58600-8208.US00  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/007,761  
C--> 12 <141> CURRENT FILING DATE: 2001-11-09  
14 <150> PRIOR APPLICATION NUMBER: US 60/262,060  
15 <151> PRIOR FILING DATE: 2001-01-18  
17 <160> NUMBER OF SEQ ID NOS: 72  
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 8  
23 <212> TYPE: PRT  
24 <213> ORGANISM: Artificial Sequence  
26 <220> FEATURE:  
27 <223> OTHER INFORMATION: epsilon V1-2, residues 14-21 of epsilon-PKC  
29 <400> SEQUENCE: 1  
30 Glu Ala Val Ser Leu Lys Pro Thr  
31 1 5  
33 <210> SEQ ID NO: 2  
34 <211> LENGTH: 141  
35 <212> TYPE: PRT  
36 <213> ORGANISM: Rattus norvegicus  
38 <400> SEQUENCE: 2  
39 Met Ala Pro Phe Leu Arg Ile Ser Phe Asn Ser Tyr Glu Leu Gly Ser  
40 1 5 10 15  
41 Leu Gln Ala Glu Asp Asp Ala Ser Gln Pro Phe Cys Ala Val Lys Met  
42 20 25 30  
43 Lys Glu Ala Leu Thr Thr Asp Arg Gly Lys Thr Leu Val Gln Lys Lys  
44 35 40 45  
45 Pro Thr Met Tyr Pro Glu Trp Lys Ser Thr Phe Asp Ala His Ile Tyr  
46 50 55 60  
47 Glu Gly Arg Val Ile Gln Ile Val Leu Met Arg Ala Ala Glu Asp Pro  
48 65 70 75 80  
49 Met Ser Glu Val Thr Val Gly Val Ser Val Leu Ala Glu Arg Cys Lys  
50 85 90 95  
51 Lys Asn Asn Gly Lys Ala Glu Phe Trp Leu Asp Leu Gln Pro Gln Ala  
52 100 105 110  
53 Lys Val Leu Met Cys Val Gln Tyr Phe Leu Glu Asp Gly Asp Cys Lys  
54 115 120 125  
55 Gln Ser Met Arg Ser Glu Glu Glu Ala Met Phe Pro Thr  
56 130 135 140  
58 <210> SEQ ID NO: 3  
59 <211> LENGTH: 124  
60 <212> TYPE: PRT  
61 <213> ORGANISM: Mus musculus  
63 <400> SEQUENCE: 3

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64 Met Ser Pro Phe Leu Arg Ile Gly Leu Ser Asn Phe Asp Cys Gly Ser
65 1 5 10 15
66 Cys Gln Ser Cys Gln Gly Glu Ala Val Asn Pro Tyr Cys Ala Val Leu
67 20 25 30
68 Val Lys Glu Tyr Val Glu Ser Glu Asn Gly Gln Met Tyr Ile Gln Lys
69 35 40 45
70 Lys Pro Thr Met Tyr Pro Pro Trp Asp Ser Thr Phe Asp Ala His Ile
71 50 55 60
72 Asn Lys Gly Arg Val Met Gln Ile Ile Val Lys Gly Lys Asn Val Asp
73 65 70 75 80
74 Leu Ile Ser Glu Thr Thr Val Glu Leu Tyr Ser Leu Ala Glu Arg Cys
75 85 90 95
76 Arg Lys Asn Asn Gly Lys Thr Glu Ile Trp Leu Glu Leu Lys Pro Gln
77 100 105 110
78 Gly Arg Met Leu Met Asn Ala Arg Tyr Phe Leu Glu
79 115 120
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 10
83 <212> TYPE: PRT
84 <213> ORGANISM: Rattus norvegicus
86 <400> SEQUENCE: 4
87 Ser Phe Asn Ser Tyr Glu Leu Gly Ser Leu
88 1 5 10
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 10
92 <212> TYPE: PRT
93 <213> ORGANISM: Rattus norvegicus
95 <400> SEQUENCE: 5
96 Ala Leu Thr Thr Asp Arg Gly Lys Leu Val
97 1 5 10
99 <210> SEQ ID NO: 6
100 <211> LENGTH: 8
101 <212> TYPE: PRT
102 <213> ORGANISM: Rattus norvegicus
104 <400> SEQUENCE: 6
105 Met Arg Ala Ala Glu Asp Pro Met
106 1 5
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 58
110 <212> TYPE: PRT
111 <213> ORGANISM: Rattus norvegicus
113 <400> SEQUENCE: 7
114 Pro Phe Arg Pro Lys Val Lys Ser Pro Arg Asp Tyr Ser Asn Phe Asp
115 1 5 10 15
116 Gln Glu Phe Leu Asn Glu Lys Ala Arg Leu Ser Tyr Ser Asp Lys Asn
117 20 25 30
118 Leu Ile Asp Ser Met Asp Gln Ser Ala Phe Ala Gly Phe Ser Phe Val
119 35 40 45
120 Asn Pro Lys Phe Glu His Leu Leu Glu Asp

```

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121      50      55
123 <210> SEQ ID NO: 8
124 <211> LENGTH: 17
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Drosophila Antennapedia homeodomain-derived
130      carrier peptide
132 <400> SEQUENCE: 8
133 Cys Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
134  1      5      10      15
135 Lys
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 10
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Tat-derived carrier peptide
146 <400> SEQUENCE: 9
147 Tyr Gly Lys Lys Arg Arg Gln Arg Arg Arg
148  1      5      10
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151 <211> LENGTH: 6
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: beta-PKC-selective activator peptide
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159 Ser Val Glu Ile Trp Asp
160  1      5
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 8
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide
170 <400> SEQUENCE: 11
171 Met Lys Ala Ala Glu Asp Pro Met
172  1      5
174 <210> SEQ ID NO: 12
175 <211> LENGTH: 8
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide
182 <400> SEQUENCE: 12
183 Met Arg Gly Ala Glu Asp Pro Met
184  1      5
186 <210> SEQ ID NO: 13

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187 <211> LENGTH: 8  
188 <212> TYPE: PRT  
189 <213> ORGANISM: Artificial Sequence  
191 <220> FEATURE:  
192 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
194 <400> SEQUENCE: 13  
195 Met Arg Ala Gly Glu Asp Pro Met  
196 1 5  
198 <210> SEQ ID NO: 14  
199 <211> LENGTH: 8  
200 <212> TYPE: PRT  
201 <213> ORGANISM: Artificial Sequence  
203 <220> FEATURE:  
204 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
206 <400> SEQUENCE: 14  
207 Met Arg Ala Pro Glu Asp Pro Met  
208 1 5  
210 <210> SEQ ID NO: 15  
211 <211> LENGTH: 8  
212 <212> TYPE: PRT  
213 <213> ORGANISM: Artificial Sequence  
215 <220> FEATURE:  
216 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
218 <400> SEQUENCE: 15  
219 Met Arg Ala Asn Glu Asp Pro Met  
220 1 5  
222 <210> SEQ ID NO: 16  
223 <211> LENGTH: 8  
224 <212> TYPE: PRT  
225 <213> ORGANISM: Artificial Sequence  
227 <220> FEATURE:  
228 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
230 <400> SEQUENCE: 16  
231 Met Arg Ala Ala Asp Asp Pro Met  
232 1 5  
234 <210> SEQ ID NO: 17  
235 <211> LENGTH: 8  
236 <212> TYPE: PRT  
237 <213> ORGANISM: Artificial Sequence  
239 <220> FEATURE:  
240 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
242 <400> SEQUENCE: 17  
243 Met Arg Ala Ala Glu Asp Pro Val  
244 1 5  
246 <210> SEQ ID NO: 18  
247 <211> LENGTH: 8  
248 <212> TYPE: PRT  
249 <213> ORGANISM: Artificial Sequence  
251 <220> FEATURE:

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Input Set : A:\58600-8208.US00-SEQLIST.txt

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252 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
254 <400> SEQUENCE: 18  
255 Met Arg Ala Ala Glu Asp Pro Ile  
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260 <212> TYPE: PRT  
261 <213> ORGANISM: Artificial Sequence  
263 <220> FEATURE:  
264 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
266 <400> SEQUENCE: 19  
267 Met Arg Ala Ala Glu Asp Pro Leu  
268 1 5  
270 <210> SEQ ID NO: 20  
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272 <212> TYPE: PRT  
273 <213> ORGANISM: Rattus norvegicus  
275 <400> SEQUENCE: 20  
276 Glu Asp Pro Met  
277 1  
279 <210> SEQ ID NO: 21  
280 <211> LENGTH: 5  
281 <212> TYPE: PRT  
282 <213> ORGANISM: Rattus norvegicus  
284 <400> SEQUENCE: 21  
285 Ala Glu Asp Pro Met  
286 1 5  
288 <210> SEQ ID NO: 22  
289 <211> LENGTH: 8  
290 <212> TYPE: PRT  
291 <213> ORGANISM: Artificial Sequence  
293 <220> FEATURE:  
294 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
296 <400> SEQUENCE: 22  
297 Met Arg Ala Ala Glu Asp Met Pro  
298 1 5  
300 <210> SEQ ID NO: 23  
301 <211> LENGTH: 8  
302 <212> TYPE: PRT  
303 <213> ORGANISM: Artificial Sequence  
305 <220> FEATURE:  
306 <223> OTHER INFORMATION: modified pseudo-delta RACK peptide  
308 <400> SEQUENCE: 23  
309 Met Glu Ala Ala Glu Asp Pro Met  
310 1 5  
312 <210> SEQ ID NO: 24  
313 <211> LENGTH: 8  
314 <212> TYPE: PRT  
315 <213> ORGANISM: Artificial Sequence

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/007,761

DATE: 12/17/2001

TIME: 10:17:04

Input Set : A:\58600-8208.US00-SEQLIST.txt

Output Set: N:\CRF3\12172001\J007761.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date